BLACK BOX
NETWORK SERVICES

ServSwitch DKM Series

Delivers instant switching in four different modes for data center, control room, pooling and similar applications.

» Scalable DVI KVM Matrix Switch supports up to 288 ports with fiber or copper cable.

» Rich interface options for various video formats and peripherals.

www.blackbox.eu

Features

- High resolution DVI-D output up to 1920 x 1200/60 Hz
- Support various video formats such as DVI-D, VGA, SDI, 3G SDI, HD-SDI, EGB, RGBHV and composite
- USB-keyboard/mouse plus USB 2.0 peripherals, serial data as well as analogue and digital audio options
- Modular Design allows flexible user/computer matrix configuration up to 288 ports
- Server and users connect to the ServSwitch DKM/DKM FX via DKM KVM Extender series
- CATx- and fiber connections up to 10 kilometers
- Multiple control options and ganged switching
- High availability with redundant power supplies
- Highly secure with dedicated user profiles and sniffing protection

Virtually instantaneous switching and the transmission of high-quality DVI-D signals are what make the Black Box® ServSwitch™ DKM/DKM FX switching system a milestone in innovative KVM switching.

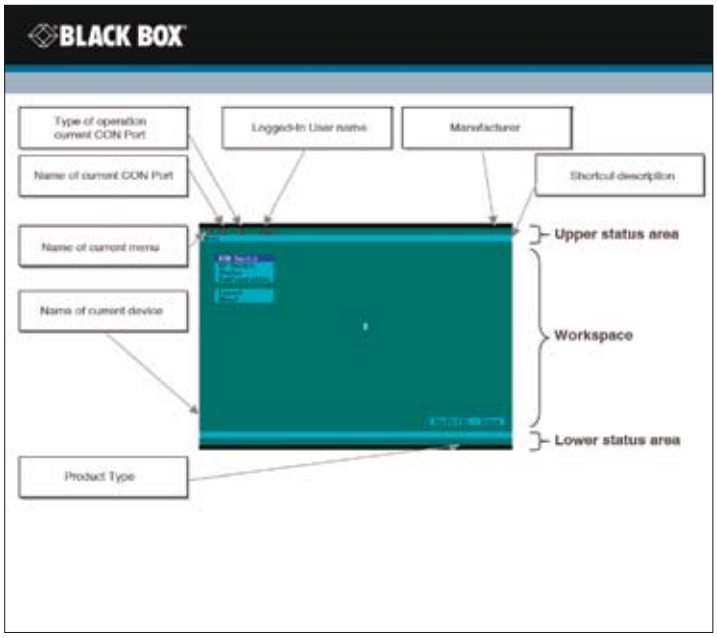
ServSwitch DKM is a scalable matrix switch that supports DVI-D and transmits besides USB Human Interface Device (HID), also transparent USB 2.0, serial RS-232 signals, analogue and digital audio. Options for SDI and analog video complete the interface portfolio.

Users and computers are flexibly added to the DKM system through DKM KVM Extender units. Extend signals up to 140 meters over CATx, up to 1.000 meters over multimode fiber or up to 10 kilometers over single-mode fiber without any losses in the video quality.

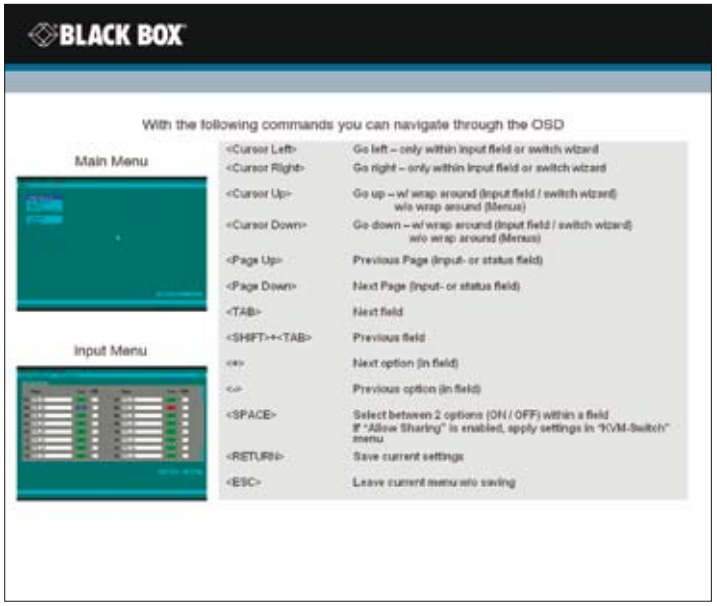
Certain modes of the single-head KVM switching support a transparent serial interface at up to 19 kbps and hardware handshaking. Use it to control a single device requiring full hardware handshaking or up to three devices without handshaking. In dual-head mode, devices support TxD and RxD only, with no hardware handshaking.

The ServSwitch DKM features hotkey controls and an on-screen display (OSD). Use the OSD to name connected devices and configure the system. A front-panel display with remote control is also available. Switching can be done remotely via the RS-232 serial interface, hotkeys, the OSD, or the TCP/IP interface.

For ultimate plug-and-play support, ServSwitch DKM/DKM FX has DDC read capability to receive true EDID information from the attached displays. The digital ServSwitch DKM does not need skew compensation like analog KVM switches do; the maximum video resolution is supported over the full distance



Main Menu Screen



Computer Configuration Page

Setup and Operation Modes

You can configure the ServSwitch DKM/DKM FX KVM Matrix Switch in several ways. Connect the switch to CATx or fiber cabling, which then connects to the CPU/server with a local transmitter and, on the other side, connects to a receiver (user station) supporting USB keyboard/mouse, one up to four DVI-D monitors plus various user peripherals. With the included software the ServSwitch DKM and DKM FX also allow a very convenient remote configuration and management.

KVM Matrix Switch

The DKM KVM Matrix Switch operates in different configurations connecting 8, 16 or 32 inputs (computers) with up to 8 or 16 outputs (user). The brand new ServSwitch DKM FX offers a fully scalable matrix with 160- or 288-ports freely assignable to user or computer ends. A smaller 80-port version will be available as of November, a 40-port version as of December 2011.

Each computer within the DKM system connects to a DKM transmitter with signal extension up to 10 kilometers depending on the cable media.

Each user is connected to the DKM system through a DKM receiver unit. DKM transmitters and receivers are available with a large variety of interface combinations.

Controlling and switching can be utilized through a serial port, hot keys, the OSD or the built-in network interface. The matrix configuration is ideal for control rooms, post production and digital signage applications. The system has proved particularly well within the broadcast operations environment.

Control Room

You can connect the DKM/DKM FX KVM Matrix Switch to servers and monitors. The OSD enables the user to switch monitors between any connected CPU, and the hotkeys enable the user to switch between one USB keyboard/mouse for all the monitors.

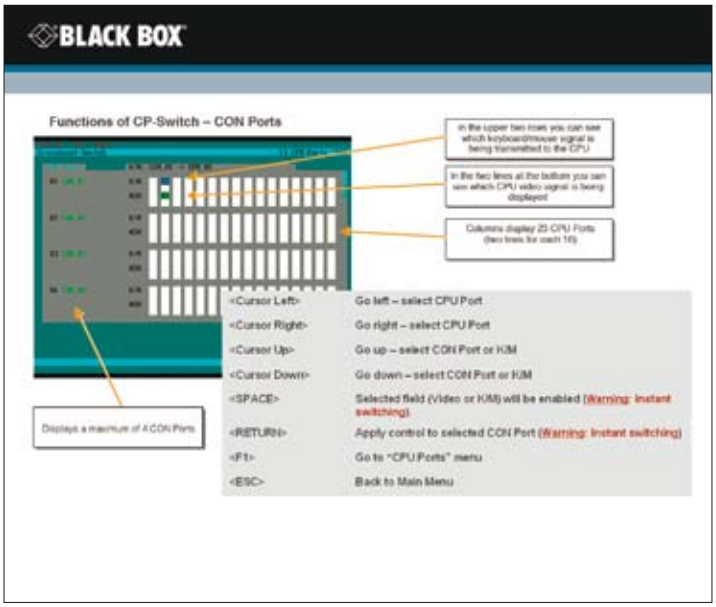
You can easily select your target from the list of available CPUs.

Share Mode

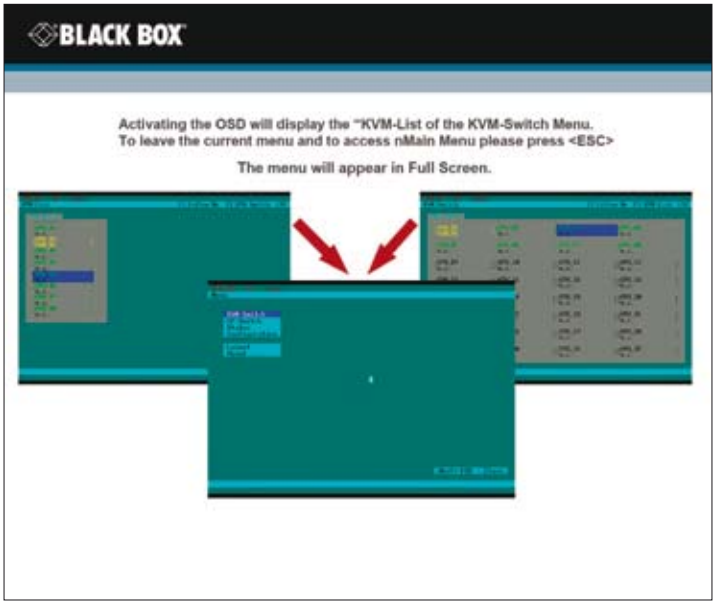
Share Mode enables more than one user to have access to the same CPU at the same time. This mode can be executed with all of the above mentioned configurations. It is often used in control rooms to allow a super administrator troubleshooting or applying updates.

Group Switching

Additionally, the KVM matrix switch enables port grouping, meaning you can partner any combination of ports and ensure they switch in tandem (presets). This way, when you switch CPUs, monitors being used in Share Mode follow automatically.



Matrix (cross point) mode: set video and K/M on different ports

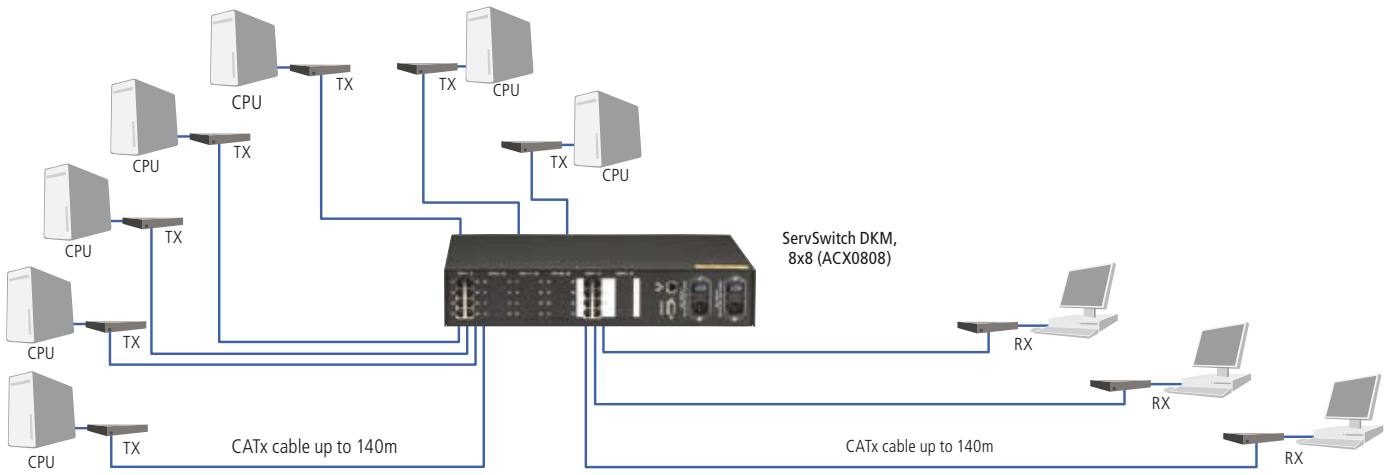


KVM Switch mode: shows which computers are active

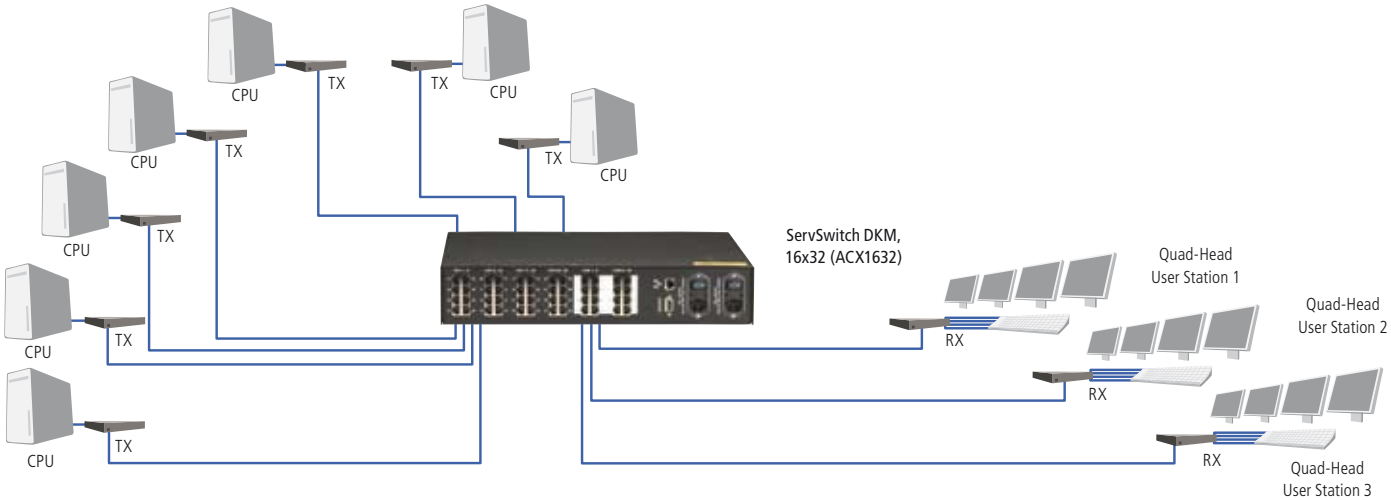
ServSwitch DKM Legend
TX = Transmitters. Can be single-, dual- or quad-head.
RX = Receivers. Can be single-, dual- or quad-head.

Cabling:
These diagrams only show one cable for space reasons. The DKM switch uses CATx cabling (one, two, or four strands for single-, dual-, or quad-head applications) or fiber cabling (multi mode or single-mode, in pairs) depending on the distance.

Crosspoint Matrix



Quad-Head Application



ServSwitch DKM Legend

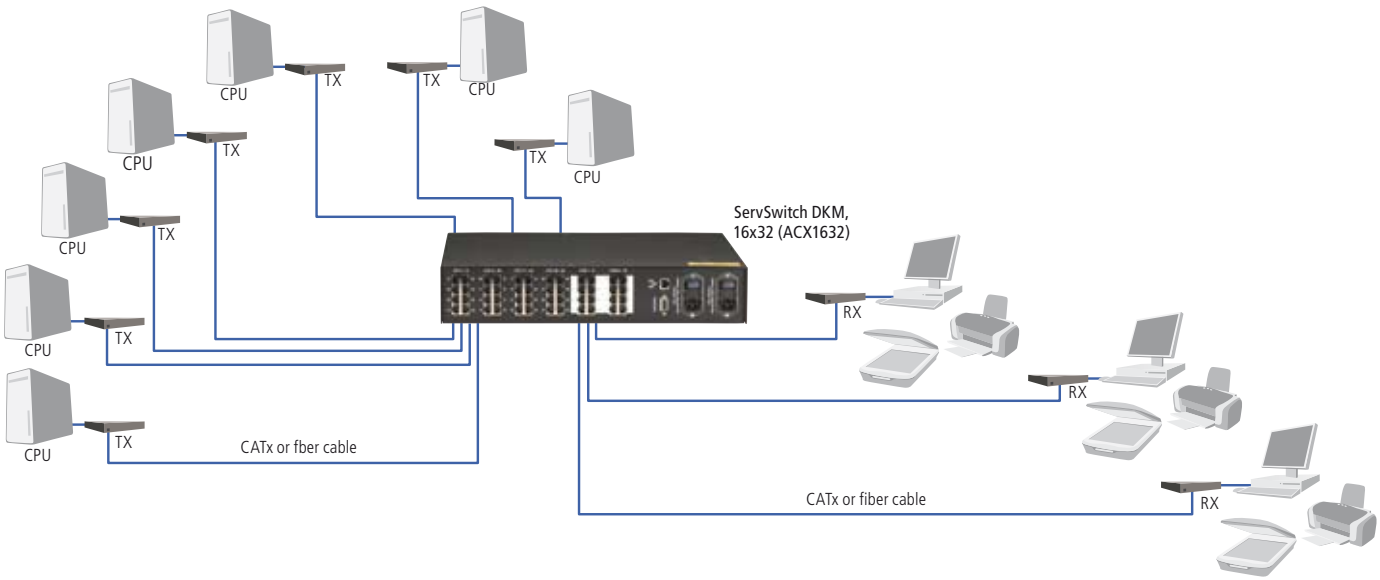
TX = Transmitters. Can be single-, dual- or quad-head.

RX = Receivers. Can be single-, dual- or quad-head.

Cabling:

These diagrams only show one cable for space reasons. The DKM switch uses CATx cabling (one, two, or four strands for single-, dual-, or quad-head applications) or fiber cabling (multi mode or single-mode, in pairs) depending on the distance.

Single-Head USB 2.0 Application



ServSwitch DKM

DKM Switching for up to 16 users and 32 computers

ServSwitch DKM 16 x 32
ACX1632

TECHNICAL DATA

Connectors —
Control via TCP/IP: (1) RJ-45 10/100Mbps;
Control via RS-232/V.24: (1) DB9 Bu.
Power: (2) IEC 320 C14, 100 to 240 VAC;
Pre-configured DKM housings also:

ACX0808:	User: (8) RJ-45 F, CPUs: (8) RJ-45 F;
ACX0816:	User: (8) RJ-45 F, CPUs: (16) RJ-45 F;
ACX0824:	User: (8) RJ-45 F, CPUs: (24) RJ-45 F;
ACX0832:	User: (8) RJ-45 F, CPUs: (32) RJ-45 F;
ACX1616:	User: (16) RJ-45 F, CPUs: (16) RJ-45 F;
ACX1624:	User: (16) RJ-45 F, CPUs: (24) RJ-45 F;
ACX1632:	User: (16) RJ-45 F, CPUs: (32) RJ-45 F;

Resolution — W-UXGA: 1920x1200 at 60Hz;
up to 24-bit color depth
Distances (max.) —
CATx: 140m; solid STP CAT5e recommended;
Multi mode: up to 1.000m
Single-mode: 10km @ 9/125 µm
Interface Options — DVI-D, DVI-I (VGA in), SDI, USB HID, USB 2.0 transparent, analog audio, digital audio, serial RS-232
Indicators — 2.5" LCD display
Size — 8.4H x 4.4W x 43.5D cm
Weight — 6.1 kg

Item	Item-No
ServSwitch DKM	
pre-configured housing with (1) power supply	
8 users to 8 computers	**ACX0808**
8 users to 16 computers	**ACX0816**
8 users to 24 computers	**ACX0824**
8 users to 32 computers	**ACX0832**
16 users to 16 computers	**ACX1616**
16 users to 24 computers	**ACX1624**
16 users to 32 computers	**ACX1632**
ServSwitch DKM	
empty housing with (1) power supply for configurations with fiber extenders	
0 users to 0 computers	**ACX0000**
ServSwitch DKM Accessory	
Internal power supply (hot-swapable)	**ACXPSR**
Expansions Cards	
8-port user or computer, CATx	**ACX8CAT**
8-port user or computer, SFP	**ACX8SFP**
8-channel OnScreen-Menu (order one each per 8 users)	**ACX8OSD**
SFP-Modules for the expansion card ACX8SFP	
CATx	**ACXSFPC**
Mulitmode or Single-mode	**ACXSFPS**

INCLUDED IN DELIVERY

- (1) ServSwitch DKM Switch with (1) internal power supply
- (2) 1.8m power cord
- (1) IR remote control with 32 buttons
- (1) 1.8m serial cable DB9 M/F
- (2) rackmount kit with (10) screws
- Manual on CD-ROM

Please turn to page 9-11 for *the DKM Extenders to connect your consoles and computers with the system.*

ServSwitch DKM FX

DKM Switching with free assignable user/computer matrix configuration

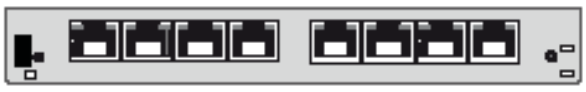
- 48, 80, 166 or 288 ports per DKM chassis.
- Each port can be used either as user or computer connection allowing a free scalable matrix.
- Instant Switching within milliseconds.
- Switching via OSD, keyboard, Ethernet, presets via Java Tool, serial interface or external controler qith fully automated processes.
- Connect users and ccomputers via CATx or fibre in any combination.
- Supports multiple video formats and peripherals.
- Optional Software packages for external control, Syslog/SNMP, and cascading with ServSwitch DKM FXC (page. 8).
- Redundant power supplies.

TECHNISCHE DATEN

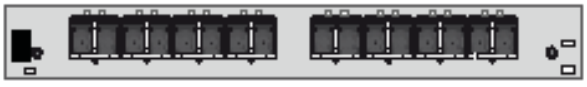
Resolution — DVI-D SL: 2048x1152 at 60Hz; 24-bit color depth
Distance (max.) — CATx: 140m; solid STP CAT5e recommended; Coax; 100m; Multimode: up to 1.000m; Singlemode: up to 10km
Connectors — Control via TCP/IP: (1) RJ-45 10/100Mbps;
Control via RS-232/V.24: (1) DB9 F
Power: (2) IEC 320 C14, 100 to 240VAC
Interface Options — see DKM Extenders Page 9 to 11
Management — OSD on every console; using optional Software
Software: Ethernet (API), serial (API), Web, FTP, Telnet or SNMP
Power — (1) or (2) internal power supplies, 90-240VAC, 2x150W, redundancy option
Size —
ACX048: 19"/3U, 483 x 133 x 230 mm
ACX080: 19"/4U, 483 x 178 x 230 mm
ACX166: 19"/9U, 483 x 400 x 330 mm
ACX288: 19"/13U, 483 x 578 x 330mm

Item	Item-No
ServSwitch DKM FX	
free configurable housing with (1) controller cards and (1) power supply	
48-ports	**ACX048**
80-ports	**ACX080**
160-ports	**ACX160**
288-ports	**ACX288**
8-port I/O-Modules for the DKM FX chassis	
8-port I/O CATx RJ45	**ACXI08-C**
8-port I/O fiber SFPs 1 Gbps	**ACXI08-SM**
8-port I/O fiber SFPs for highspeed DVI-D 3.125 Gbps	**ACXI08-HS**
8-port I/O empty for individual SFP fitting	**ACXI08-SFP**
8-port in, 8-ports out empyt for SDI video	**ACXI0-SDI**
SFP Transceiver for the DKM I/O-Modules	
CATx	**ACXSFPC**
Fiber	**ACXSFP**
Fiber highspeed DVI-D (3.125 Gbps)	**ACXSFPHS**
mini-BNC SDI/HD-SDI transmitter	**ACXSDI-CX-T**
mini-BNC SDI/HD-SDI receiver	**ACXSDI-CX-R**
Fiber SDI/HD-SDI transmitter	**ACXSDI-SM-T**
Fiber SDI/HD-SDI receiver	**ACXSDI-SM-R**
mini-BNC 3G-SDI transmitter	**ACXSDI3-CX-T**
mini-BNC 3G-SDI receiver	**ACXSDI3-CX-R**
Fiber 3G-SDI transmitter	**ACXSDI3-SM-T**
Fiber 3G-SDI receiver	**ACXSDI3-SM-R**

Item	Item-No
ServSwitch DKM FX Software Packages	
Force Connect, and Java Tool for Presets	**ACX-JAV**
External control via IP or RS-232 (including ACX-JAV)	**ACX-API**
Syslog, and SNMP function	**ACX-SYS**
Seamless Cascading with DKM FXC	**ACX-CAS**
ServSwitch DKM Accessories	
Power Supply for ACX048/ACX080	**ACX080-PS**
Power Supply for ACX160	**ACX160-PS**
Power Supply for ACX288	**ACX288-PS**
Spare Fan Module for ACX048/ACX080	**ACX080-FAN**
Spare Air Filter for ACX048/ACX080	**ACX080-FIL**
Spare Fan Module for ACX160/ACX288	**ACX288-FAN**
Spare Air Filter for ACX160/ACX288	**ACX288-FIL**



CATx 8-port I/O module



Fiber 8-port I/O module

mini-BNC I/O module, 8-port in, 8-port out

Please turn to page 9-11 *for the DKM Extenders to connect your consoles and computers with the system.*

ServSwitch DKM FXC

Compact DKM Switching in only 1RU with up to 48-ports

- 16-, 32 or 48-ports with a super compact size of 19"/1 RU.
- Instant Switching within milli seconds.
- Connect user and computers up to 140m using the DKM CATx Extenders.
- Supports wide range of video formats and peripherals.
- Seamless cascading of up to 16 switches as of version 3.x.
- Optional Software bundles for external control, Syslog/SNMP and seamless cascading.
- Redundant power supply.
- Fully compatible with ServSwitch DKM FX.

TECHNICAL DATA

Resolution — DVI-D Single Link: 2048x1152 at 60Hz; up to 24-bit color depth
Distance (max.) — CATx: 140m; solid STP CAT5e recommended
Connectors —
to CPU/user: (16), (32) or (48) RJ-45
Control: (1) RJ-45 10/100Mbps, (1) DB9 F
Power: (2) IEC 320 C14, 100 to 240VAC
Management — OSD, options for serial control, API Java Tool, Syslog and SNMP
Power — (1) internal power supply, 90-240VAC / 4-2A / 50-60 Hz: redundancy option for second power supply
Size — 444H x 429B x 44T mm

Item	Item-No
ServSwitch DKM FXC	
free configurable switch with (1) internal power supply and redundancy option	
16-ports	**ACXC016**
32-ports	**ACXC032**
48-ports	**ACXC048**
ServSwitch DKM FXC Software Packages	
Force Connect and Java Tool for Presets	**ACX-JAV**
External control via IP or RS232 (includes ACX-JAV)	**ACX-API**
Syslog and SNMP function	**ACX-SYS**
Seamless cascading into DKM FX	**ACX-CAS**

INCLUDED IN DELIVERY

- (1) ServSwitch DKM FXC switch with (1) internal power supply
- (1) 1.8m power cord
- (1) 1.8m serial cable DB9 M/F
- (1) RJ45/DB9 adapter
- (1) 1.8m network cable
- 19" mounting material
- Quick Starter Guide and Manual

Please turn to page 9-11 *to find the KVM Extenders to connect your consoles and computers with the system.*

ServSwitch DKM Compact KVM Extender

- Connect users and computers to your ServSwitch DKM/DKM FX /DKM FXC while extending them simultaneously over large distances.
- Order one transmitter each for every computer connected to the DKM.
- Use one receiver for each user within the DKM system.
- Choose the cable media depending on your range requirements: CATx up to 140m, multi mode up to 800m, single-mode up to 10.000 meters.
- Compact housings allow high-density mounting within 19" racks (up to 4 devices in 1U).
- Pixel perfect DVI-D video with resolutions up to 2048 x 1152 at 60Hz over the full distance, single- and dual DVI-D versions, options with scalable VGA input and now also 2.5GB high-speed DVI-D for demanding video applications.
- Peripheral interfaces for USB HID, USB HID supporting programmable function keyboard keys, full- and high-speed USB 2.0, RS-232, analog and digital audio.
- Optional local monitoring with separate splitter cable (ACXSPL12).
- Powered through external power supply.

ACXT1-14A-C

SL DVI, USB 2.0 (36 Mbps) audio & RS232 over a single CATx Cable

ACX1R-14A-C

Item	Item-No
ServSwitch DKM Compact Transmitters	
CATx	
(1) DVI-D + (2) USB HID	**ACX1T-11-C**
(1) DVI/VGA in/ DVI-D out + (2) USB HID	**ACX1T-11V-C**
(1) DVI-D + (4) USB HID	**ACX1T-12A-C**
(1) DVI-D + (2) USB HID, digital audio	**ACX1T-12D-C**
(1) DVI-D + (2) USB HID, (4) USB 2.0	**ACX1T-13-C**
(1) DVI-D + (2) USB HID, (2) USB 2.0, RS232, audio	**ACX1T-14A-C**
(2) DVI-D + (4) USB HID	**ACX1T-22-C**
Fiber	
(1) DVI-D + (2) USB HID	**ACX1T-11-SM**
(1) high-speed DVI-D + (2) USB HID	**ACX1T-11HS-SM**
(1) high-speed Dual Link DVI-D + (2) USB HID	**ACX2T-11HS-SM**
(1) DVI/VGA in/ DVI-D out + (2) USB HID	**ACX1T-11V-SM**
(1) high-speed DVI/VGA in/ DVI-D out + (2) USB HID	**ACX1T-11VHS-SM**
(1) DVI-D + (4) USB HID	**ACX1T-12A-SM**
(1) DVI-D + (2) USB HID, digital audio	**ACX1T-12D-SM**
(1) DVI-D + (2) USB HID, (4) USB 2.0	**ACX1T-13-SM**
(1) high-speed DVI-D + (2) USB HID, (4) USB 2.0	**ACX1T-13HS-SM**
(1) DVI-D + (2) USB HID, (2) USB 2.0, RS232, audio	**ACX1T-14A-SM**
(1) high-speed DVI-D + (2) USB HID, (2) USB 2.0, RS232, audio	**ACX1T-14AHS-SM**
(1) high-speed Dual Link DVI-D + (2) USB HID, (2) USB 2.0, RS232, audio	**ACX2T-14AHS-SM**
(2) DVI-D + (4) USB HID	**ACX1T-22-SM**
(2) high-speed DVI-D + (4) USB HID	**ACX1T-22HS-SM**

Item	Item-No
ServSwitch DKM Compact Receivers	
CATx	
(1) DVI-D + (2) USB HID	**ACX1R-11-C**
(1) DVI-D out + (2) USB HID & Infrared R/C	**ACX1R-11V-C**
(1) DVI-D + (4) USB HID	**ACX1R-12A-C**
(1) DVI-D + (2) USB HID, digital audio	**ACX1R-12D-C**
(1) DVI-D + (2) USB HID, (4) USB 2.0	**ACX1R-13-C**
(1) DVI-D + (2) USB HID, (2) USB 2.0, RS232, audio	**ACX1R-14A-C**
(2) DVI-D + (4) USB HID	**ACX1R-22-C**
Fiber	
(1) DVI-D + (2) USB HID	**ACX1R-11-SM**
(1) high-speed DVI-D + (2) USB HID	**ACX1R-11HS-SM**
(1) high-speed Dual Link DVI-D + (2) USB HID	**ACX2R-11HS-SM**
(1) DVI-D out + (2) USB HID & Infrared R/C	**ACX1R-11V-SM**
(1) high-speed DVI/VGA in/ DVI-D out + (2) USB HID	**ACX1R-11VHS-SM**
(1) DVI-D + (4) USB HID	**ACX1R-12A-SM**
(1) DVI-D + (2) USB HID, digital audio	**ACX1R-12D-SM**
(1) DVI-D + (2) USB HID, (4) USB 2.0	**ACX1R-13-SM**
(1) high-speed DVI-D +(2) USB HID, (4) USB 2.0	**ACX1R-13HS-SM**
(1) DVI-D + (2) USB HID, (2) USB 2.0, RS232, audio	**ACX1R-14A-SM**
(1) high-speed DVI-D + (2) USB HID, (2) USB 2.0, RS232, audio	**ACX1R-14AHS-SM**
(1) high-speed Dual Link DVI-D + (2) USB HID, (2) USB 2.0, RS232, audio	**ACX2R-14AHS-SM**
(2) DVI-D + (4) USB HID	**ACX1R-22-SM**
(2) high-speed DVI-D + (4) USB HID	**ACX1R-22HS-SM**

Note: You may operate the Fiber KVM Extender Modules over multimode and single-mode cable.

ServSwitch DKM Modular KVM Extenders

4-Slot DKM KVM Extender housing with 4 modules and 1 power supply

- Connect users and computers to your ServSwitch DKM/DKM FX/DKM FXC while extending them simultaneously over large distances.
- Order one transmitter each for every computer connected to the DKM.
- Use one receiver for each user within the DKM system.
- Choose the cable media depending on your range requirements: CATx up to 140m, Multi mode up to 800m, single-mode up to 10.000 meters.
- Pixel perfect DVI-D video with resolutions up to 2048 x 1152 at 60Hz over the full distance, options for VGA in, SDI and many other analog video formats as well as 2.5GB high-speed DVI-D.
- Suitable for multi-video and high demanding video applications.
- Local monitoring with optional splitter cable (ACXSPL12)
- Peripheral options for USB HID, transparent full and high-speed USB 2.0, RS-232, analog and digital audio.
- 2-, 4-, 6- or 21-port housings available with or without redundant power.
- Work also as a standalone point-to-point KVM Extenders without DKM Switch.

Combine your interfaces depending on your individual needs

Step 1:

Order one base module with DVI-D video (optional also DVI plus VGA in) and two USB HID ports.

Step 2:

Choose the expansion modules for every additional signal, you intend to switch and expand over the DKM system.

Step 3:

Determine the appropriate housing depending on your number of interface cards. Consider also free space for future expansion. Select one housing each for the transmitter and the receiver side. Choose a power option with or without redundancy.

Step 4:

Verify your application requirements with our product specialists for plausibility and quoting.

Item	Item-No
ServSwitch DKM Housings for the Modular Extender Modules	
2-slot with one external power supply	**ACXMODH2**
2-slot with one external power supply and external redundancy option	**ACXMODH2R**
2-slot with one internal power supply and external redundancy option	**ACXMODH2R-P**
4-slot with one external power supply	**ACXMODH4**
4-slot with one external power supply and external redundancy option	**ACXMODH4R**
6-slot with one internal power supply and external redundancy option	**ACXMODH6R**
21-slot with one internal power supply and internal redundancy option	**ACXMODH21R**
ServSwitch DKM Accessories for Modular Housings	
Redundancy Upgrade excl. power supply for 2-slot housing ACXMODH2	**ACXMODH2-RED**
Redundancy Upgrade excl. power supply for 4-slot housing ACXMODH4	**ACXMODH4-RED**
Redundant power supply for ACXMODH2-RED, ACXMOD2R-ACXMODH2R-P	**ACXMODH2-PS**
Redundant power supply for ACXMODH4R, ACXMOD4-RED	**ACXMODH4-PS**
Redundant power supply for ACXMODH6R	**ACXMODH6-PS**
Redundant power supply for ACXMODH21R	**ACXMODH21-PS**
19" rack-mount shelf for 2-/4-slot housings (ACXMODH2, ACXMODH2R, ACXMODH4, ACXMODH4R)	**ACXMODH-RMK**
19" rack-mount ears for 2-slot housing ACXMODH2 , ACXMODH2R	**ACXMODHEAR-2**
19" rack-mount ears for 2-slot housing ACXMODH2R-P	**ACXMODHEAR-2P**
19" rack-mount ears for 4-slot housing ACXMODH4, ACXMODH4R	**ACXMODHEAR-4**
19" rack-mount ears for 6-slot housing ACXMODH6R	**ACXMODHEAR-6**
Cover for empty slots	**ACXMODH-DMK**

ServSwitch DKM KVM Extender Modules for Modular Housing

USB 2.0 Expansion

Basic Transmitter Module
DVI-D plus USB HID

Basic Receiver Module
DVI-D plus USB HID

ServSwitch DKM Transmitter Modules for Modular Housings

Item	Item-No
CATx Basic Modules	
Single DVI-D + (2) USB HID	**ACX1MT-DHID-C**
Single DVI/VGA in/ DVI-D out + (2) USB HID	**ACX1MT-DVHID-C**
* occupies 2-slots of housing space	
CATx Peripheral Module	
(4) high-speed USB 2.0 transparent	**ACX1MT-U2-C**
Fiber Basic Modules	
Single DVI-D + (2) USB HID	**ACX1MT-DHID-SM**
Single high-speed DVI-D + (2) USB HID	**ACX1MT-DHS-SM**
Dual DVI-D + (2) USB HID	**ACX2MT-DHID-SM**
Single DVI/VGA in/ DVI-D out + (2) USB HID *	**ACX1MT-DVHID-SM**
Single high-speed DVI/VGA in/ DVI-D out + (2) USB HID *	**ACX1MT-DVHS-SM**
* occupy 2-slots of housing space	
Fiber Peripheral Module	
(4) high speed USB 2.0 transparent	**ACX1MT-U2-SM**
Upgrade Modules	
USB HID	**ACX1MT-HID**
Embedded USB 2.0 full-speed	**ACX1MT-EU**
Bidirectional analog audio + RS-232	**ACX1MT-AR**
Bidirectional analog audio + (2) USB 2.0 full-speed	**ACX1MT-ARE**
Bidirect. analog, uni-directional digital audio + RS-232	**ACX1MT-ARD**
(2) USB HID, bidirectional audio + RS-232	**ACX1MT-ARH**
Uni-directional digital audio	**ACX1MT-DA**
(2) USB HID + uni-directional digital audio	**ACX1MT-DAH**
Bidirectional digital Audio	**ACX1MT-DAX**
Bidirectional digital Audio + (2) USB 2.0 fullspeed	**ACX1MT-DAE**
(1) VGA, in, DVI-D out	**ACX1MT-EGA**
(1) VGA, EGA, CGA or analog Video in, DVI-D out	**ACX1MT-EGA**
(1) RGB in, DVI-D out	**ACX1MT-RGB**
(1) SDI, VGA or analog Video in, DVI-D out	**ACX1MT-SDI**

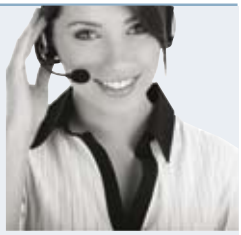
ServSwitch DKM Receiver Modules for Modular Housings

Item	Item-No
CATx Basic Modules	
Single DVI-D + (2) USB HID	**ACX1MR-DHID-C**
Single DVI-D out + (2) USB HID & Infrared R/C	**ACX1MR-DVHID-C**
CATx Peripheral Module	
(4) high-speed USB 2.0 transparent	**ACX1MR-U2-C**
Fiber Basic Modules	
Single DVI-D + (2) USB HID	**ACX1MR-DHID-SM**
Single high-speed DVI-D + (2) USB HID	**ACX1MR-DHS-SM**
Dual DVI-D + (2) USB HID	**ACX2MR-DHID-SM**
Single DVI-D out + (2) USB HID & Infrared R/C	**ACX1MR-DVHID-SM**
Single high-speed DVI-D out + (2) USB HID & Infrared R/C	**ACX1MR-DVHS-SM**
Fiber Peripheral Module	
(4) high-speed USB 2.0 transparent	**ACX1MR-U2-SM**
Upgrade Modules	
(2) USB HID	**ACX1MR-HID**
(2) Embedded USB2.0 full-speed	**ACX1MR-EU**
Bidirectional analog audio + RS-232	**ACX1MR-AR**
Bidirectional analog audio + (2) USB 2.0 full-speed	**ACX1MR-ARE**
Bidirect. analog, uni-direct. digital audio + RS-232	**ACX1MR-ARD**
(2) USB HID, bidirectional audio + RS-232	**ACX1MR-ARH**
Uni-directional digital audio	**ACX1MR-DA**
(2) USB HID + uni-directional digital audio	**ACX1MR-DAH**
Bidirectional digital audio	**ACX1MR-DAX**
Bidirectional digital Audio + (2) USB 2.0 full-speed	**ACX1MR-DAE**

Note: You may operate Single-mode KVM Extender Modules also over multimode cable.

Call our Free Tech Support

The above order information is only a selection of popular modules.
Please contact our Free Tech Support,
if you need additional interfaces.
Also, our DKM experts will be happy to assist you any time
with the composition and configuration of your DKM system.



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